

ABSTRACT

Compositions, methods, and formulations for delivering 5-HT₃ antagonists across the oral mucosa are described. In some variations, the described compositions comprise at least one 5-HT₃ antagonist, which is at least partly in an ionized form, and a buffer system. The buffer system generally comprises at least two different buffering agents and is capable of changing the pH of saliva from an arbitrary initial pH to a predetermined final pH, and of sustaining the final pH for a period of time. The predetermined final pH favors substantially complete conversion of the ionized form to the un-ionized form. In other variations, the described compositions comprise a 5-HT₃ antagonist, at least partly in an un-ionized form, and a buffer system. In these variations, the buffer system is capable of providing an adjusted salival pH such that the 5-HT₃ antagonist remains in its un-ionized form. Dissolving tablets are also described.